## CLAIM

## What is claimed is:

- 5 1. A composition for administering paclitaxel comprising:
  - a) paclitaxel or an analog thereof;
  - b) a pharmaceutically acceptable surfactant;
  - a pharmaceutically acceptable solvent; and
  - d) a substituted cellulosic polymer.
  - 2. The composition of claim 1 which is self-emulsifying.
  - 3. The composition of claim 1 which is for oral administration.
  - 4. The composition of claim 2 wherein said surfactant is selected from the group consisting of polyoxyl 40 hydrogenated castor oil, polyoxyl 35 hydrogenated castor oil, polyoxyethylene sorbitan fatty acid esters, poloxamers, VE-TPGS 1000, polyoxyethylene alkyl ethers, Solutol HS-15, Tagat TO, Peglicol 6-oleate, polyoxyethylene sterates, and saturated polyglycolyzed glycerides.
  - 5 The composition of claim 4 wherein said surfactant is selected from the group consisting of polyoxyl 40 hydrogenated castor oil, polyoxyl 35 hydrogenated castor oil, polyoxyethylene sorbitan fatty acid esters, poloxamers, and VE-TPGS 1000.
  - The composition of claim 5 wherein said surfactant is a polyoxyl 40 hydrogenated castor oil or a polyoxyl 35 hydrogenated castor oil.
- 25 7 The composition of claim 2 wherein the weight ratio of paclitaxel to the surfactant (paclitaxel:surfactant) is from about 1:3 to about 1:20.
  - 8 The composition of claim 7 wherein the weight ratio of paclitaxel to the surfactant (paclitaxel:surfactant) is from about 1:5 to about 1:10.
  - The composition of claim 2 wherein said solvent is selected from the group consisting
    of polyethylene glycol, propylene glycol, ethanol, glycorol, triacetin, glycofurol, propylene

carbonate, dimethyl acetamide, dimethyl isosorbide, N-methyl pyrrolidinone, and mixture thereof.

- 10. The composition of claim 9 wherein said solvent is selected from the group consisting of polyethylene glycol, propylene glycol, ethanol, and a mixture thereof.
- 5 11. The composition of claim 10 wherein said solvent is a mixture of ethanol and a polyethylene glycol consisting of polyethylene glycol 400.
  - 12. The composition of claim 2 wherein the said substituted cellulosic polymer is selected from the group consisting of hydroxypropyl methylcellulose (HPMC), hydroxypropyl cellulose (HPC), hydroxyethylcellulose, methylcellulose, maltodextrin, and povidones.
  - 13. The composition of claim 12 wherein the said substituted cellulosic polymer is selected from the group consisting hydroxypropyl methylcellulose, hydroxyethylcellulose, hydroxypropyl cellulose, and methylcellulose.
  - 14 The composition of claim 13 wherein said substituted cellulosic polymer is hydroxypropyl methylcellulose.
  - 15. The composition of claim 2 wherein said substituted cellulosic polymer and paclitaxel are present in a ratio of about 50:1 to about 0.1:1 by weight.
  - 16. The composition of claim 15 wherein said substituted cellulosic polymer and paclitaxel are present in a ratio of about 10:1 to about 0.1:1 by weight.
  - 17. The composition of claim 16 wherein said substituted cellulosic polymer and paclitaxel are present in a ratio of about 5:1 to about 0.5:1 by weight.
  - The composition of claim 2 wherein said substituted cellulosic polymer is substantially water-soluble.
  - 19. The composition of claim 14 wherein the hydroxypropyl methylcellulose has about 15% to about 35% methoxyl substitution and about 3% to about 15% hydroxypropyl substitution.
- 25 20. The composition of claim 19 wherein the hydroxypropyl methylcellulose has about 19% to about 24% methoxyl substitution and about 7% to about 12% hydroxypropyl substitution.
  - The composition of claim 3 which is contained in a water-soluble capsule.
  - 22. The composition of claim 21 wherein the substituted cellulosic polymer is present in the capsule wall.
- 30 23. The composition of claim 22 wherein the substituted cellulosic polymer constitutes from about 5% to 100% by weight of the capsule wall.

- 24. The composition of claim 23 wherein the substituted cellulosic polymer constitutes from about 5% to 100% by weight of the capsule wall.
- 25. The composition of claim 2 which further comprises a diglyceride.
- 26 The composition of claim 25 wherein the diglyceride contains fatty acids of a carbon chain having 8 to 22 carbons with 0 to 3 double bonds.
- 27. The composition of claim 26 wherein the diglyceride contains fatty acids of a carbon chain having 16 to 18 carbons with 1-2 double bonds.
- 28. The composition of claim 25 wherein the diglyceride is selected from the group consisting of diolein, dilinoleate, and a mixture thereof.
- 29 The composition of claim 25 which further comprises a monoglyceride.
  - 30. The composition of claim 29 wherein the monoglyceride contains fatty acids of a carbon chain having 8 to 22 carbons with 0 to 3 double bonds.
  - 31. The composition of claim 29 wherein the monoglycerides contains fatty acids of a carbon chain having 16 to 18 carbons with 1-2 double bonds.
- The composition of claim 29 wherein the monoglyceride is selected from the group consisting of monoolein, monolinoleate, and a mixture thereof.
- 33. The composition of claim 29 wherein the ratio of diglyceride to monoglyceride (diglyceride:monoglyceride) by weight is from about 9:1 to about 6:4.
- 34. The composition of claim 2 wherein the paclitaxel is present in an amount of up to about 100 mg/gm.
- The composition of claim 34 wherein the paclitaxel is present in an amount of from about 10 to about 80 mg/gm.
- The composition of claim 35 wherein the paclitaxel is present in an amount of from about 30 to 70 mg/gm.
- 25 37. The composition of claim 36 wherein the paclitaxel is present in an amount of from about 40 mg/gm to about 65 mg/gm.
  - 38. The composition of claim 1 wherein said surfactant is present in an amount from about 100 to about 700 mg/g.
- The composition of claim 2 wherein said solvent is present in an amount from about
   100 to about 700 mg/g.
  - 40. The composition of claim 3 further comprising a P-glycoprotein inhibitor.

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- 41. The composition of claim 40 wherein said P-glycoprotein inhibitor is selected from the group consisting of alginates, xanthan, gellan gum, CRK-1605, cyclosporin A, verapamil, tamoxifen, quinidine, valspodar, SDZ PSC 833, GF120918 (GG918, GW0918), ketocomazole, Psoralens, sucroster-15, R101933, OC144-093, Erythromycin, azithromycin, RS-33295-198, MS-209, XR9576, and phenothiazine.
- 42. The composition of claim 41 wherein said P-glycoprotein inhibitor is cyclosporin A.
- 43. The composition of claim 42 wherein said cyclosporin A in the composition is in an amount of from about 0.1 to about 20 mg/kg patient body weight.
- 44. The composition of claim 1 wherein the surfactant is selected from the group consisting of polyoxyl 40 hydrogenated castor oil, polyoxyl 35 hydrogenated castor oil, polyoxyethylene sorbitan fatty acid esters, poloxamers, vitamin E-TPGS 1000, polyoxyethylene alkyl ethers, Solutol HS-15, Tagat TO, Peglicol 6-oleate, polyoxyethylene sterates, and saturated polyglycolyzed glycerides; and wherein the substituted cellulosic polymer is selected from the group consisting of hydroxypropyl methylcellulose (HPMC), hydroxypropyl cellulose (HPC), hydroxyethylcellulose, methylcellulose, maltodextrin, and povidones.
- 45. The composition of claim 44 wherein the surfactant is selected from the group consisting of a polyoxyl 40 hydrogenated castor oil and a polyoxyl 35 hydrogenated castor oil; wherein the solvent is selected from the group consisting of polyethylene glycol, propylene glycol, ethanol, and a mixture thereof; and wherein the substituted cellulosic polymer is selected from the group consisting of hydroxypropyl methylcellulose, hydroxypropyl cellulose, hydroxypropyl cellulose, and methylcellulose.
- 46. The composition of claim 45 wherein the surfactant is a polyoxyl 35 hydrogenated castor oil; wherein the solvent is a mixture of polyethylene glycol ethanol; and wherein the substituted cellulosic polymer is hydroxypropyl methylcellulose.
- 47. The composition of claim 45 further comprising a diglyceride.
- 48. The composition of claim 47 wherein the diglyceride is glyceryl dioleate.
- 49. A method of treating a patient suffering from cancer and in need of treatment comprising administration to said patient a composition comprising:
- 30 a) a chemotherapeutically effective amount of paclitaxel,
  - b) a pharmaceutically acceptable surfactant,
  - c) a pharmaceutically acceptable solvent, and
  - a substituted cellulosic polymer.

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- 50. The method of claim 49 wherein the amount of said paclitaxel in the composition is from about 10 to about 80 mg/g.
- 51. The method of claim 50 wherein the amount of said paclitaxel in the composition is from about 30 to about 70 mg/g.
- 52. The method of claim 51 wherein the amount of said paclitaxel in the composition is from about 40 to about 65 mg/g.
- 53. The method of claim 49 wherein said composition further comprises a diglyceride.
- 54. The method of claim 53 wherein said composition further comprises a monoglyceride.
- 55. The method of claim 54 wherein the ratio of the diglyceride to monoglyceride, by weight, in the composition is from about 9:1 to about 6:4.
- 56. The method of claim 53 wherein the composition is administered orally.
- 57. The method of claim 56 wherein the composition further comprises a P-glycoprotein inhibitor.
- 58. The method of claim 58 wherein said P-glycoprotein inhibitor is selected from the group consisting of cyclosporin A, verapamil, tamoxifen, quinidine, phenothiazene, and mixtures thereof, or related P-glycoprotein inhibitors.
- 59. The method of claim 57 wherein the amount of said P-glycoprotein inhibitor in the composition is from about 0.1 to about 20 mg/kg patient body weight.
- 60. The composition of claim 14 wherein the hydroxypropyl methylcellulose has a viscosity range of about 1 to 1 about 100,000 cps.
- 25 61. The composition of claim 60 wherein the hydroxypropyl methylcellulose has a viscosity range of about 1 to about 4,000 cps.
  - The composition of claim 14 wherein the hydroxypropyl methylcellulose is type 2208 or 2910.
- 63. The composition of claim 21 wherein the substituted cellulosic polymer is present inthe fill liquid composition.
  - 64. The composition of claim 1 which generates a supersaturated state upon dilution with water.